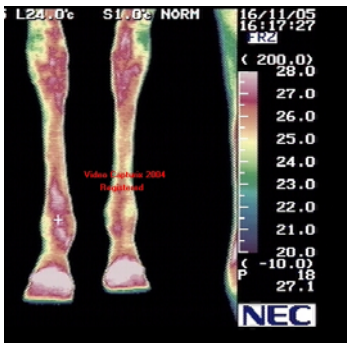
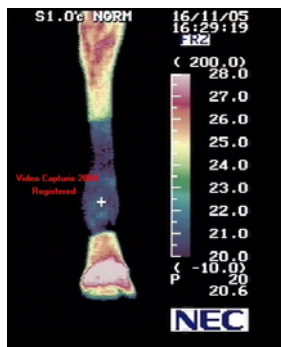




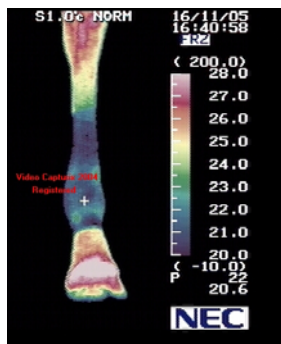
# THERMOGRAPHIC STUDY 1



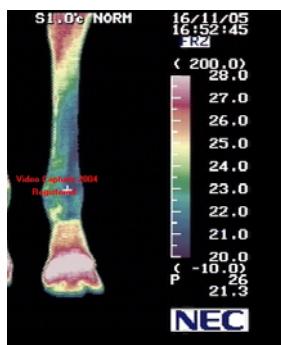
Prior to bandage application



+5 minutes after application



+15 minutes after application



+25 minutes after application

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The application of cold for the treatment of injury or disease is widespread in sports medicine. It is an established method when treating acute soft tissue injuries. Methods such as ice packs, gel packs, and refrigerant gases can be used. Furthermore, cold is also used to reduce recovery time as part of a rehabilitation programme after acute injuries and in the treatment of chronic injuries, and to reduce pain effectively in post-operative periods after reconstructive surgery of the joints.

This study shows the efficacy of a Neo-ice Cold Treatment Bandage applied over a 20 minute period. Current best practice theory suggests cold-treatment should be applied in repeated applications over short periods and that limb temperature should be raised in-between treatments for best effect. Prior to the application of the product the horse was exercised to raise body temperature and simulate the conditions in which the product would most likely be used. The test data tabulated below are taken from the thermal images reproduced here.

<u>Thermal Image Data</u>	<u>Time</u>	<u>Temperature</u>
Prior to bandage application:	16:17:27	27.1° C
+5 minute after application:	16:29:19	20.6° C
+15 minutes after application:	16:40:58	20.6° C
+20 minutes, bandage removed		
+25 minutes after application:	16:52:45	21.3° C

The study demonstrates:

- limb temperature reduction of between 6-7° C, within 5 minutes of application of bandage
- limb temperature reduction maintained during 20 minutes application, showing the product maintained a significant cooling effect over the test period